

Aldicarb - Background

- N-methyl carbamate (NMC): to control certain insects, mites, and nematodes.
- There are no registered residential uses of aldicarb.
- Currently registered for use in various agricultural areas on cotton, dry beans, peanuts, soybeans, sugar beets, and sweet potatoes.
- Restricted use pesticides due to acute oral, dermal and inhalation toxicity, and to protect ground water.

Aldicarb – Background (cont'd)

- **In 2010**, Bayer (the registrant at that time) voluntarily cancelled the domestic aldicarb uses on citrus (and potatoes), due to unacceptable dietary risk, especially to infants and young children.
 - Existing tolerances remained for citrus to allow for treated imports.
- The Aldicarb Registration Review Interim Decision (ID) was signed 12/22/2017.
 - Risk estimates for dietary (food only) exposure below the level of concern (included imported citrus commodities only).
 - Drinking water risks were mitigated by appropriate well setbacks and with in-furrow applications.
 - By restricting application of aldicarb to a depth that eliminates runoff from a treated field, the agency no longer expected exposure or risk to terrestrial and aquatic plants, or to aquatic animals.

Aldicarb – Proposed New Uses

Ex. 5 Deliberative Process (DP)

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Benefits in Citrus

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Alternatives in Citrus

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Projected Percent Crop Treated (PCTn)

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AgLogic Comments and EPA Responses

- *PCTn estimates should be based on “the most current and reliable statistics, such as those provided by the USDA National Agricultural Statistics Service (NASS)”*

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- *PCTn should be analyzed using Florida and Texas citrus production data;*

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- *Imported juice concentrate does not contain aldicarb*

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- *An appropriate PCTn for of all US orange and grapefruit acreage is 14.6%*
 - Registrant-proposed PCTn calculated using national crop production data

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Ex. 5 Deliberative Process (DP)

Aldicarb Human Health Risks

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Aldicarb Human Health Risks (cont'd)

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Aldicarb Ecological Risks

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Drinking Water - Surface Water

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Surface Water: Regionally Refined

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Drinking Water - Groundwater

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Summary

Ex. 5 Deliberative Process (DP)

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Recommendations

Options:

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Proposed Steps Forward

Ex. 5 Deliberative Process (DP)

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